

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1. - 26. (Cancelled)

27. (Currently Amended) A raiser seat for assisting a person from a sitting to a standing position comprising:

a seat frame;

a seat adapted for movement relative to the seat frame between a lowered position and a raised position; and

a movement mechanism for moving the seat between the lowered and the raised positions;

wherein the movement mechanism comprises at least one cam pivotally mounted with respect to the seat frame about an axis, the at least one cam is attached or integrated to a gear coaxial with the axis of the at least one cam, the gear being in meshed engagement with a toothed rack such that translation of the toothed rack results in rotation of the at least one cam, the at least one cam including a cam profile, the cam profile supporting and being movable with respect to the seat such that rotation of the at least one cam results in movement of the seat relative to the seat frame between the lowered position and the raised position.

28. (Previously Presented) The raiser seat of claim 27, wherein movement of the seat between the lowered and raised positions includes combinations of lift and tilt simultaneously.

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29. (Previously Presented) The raiser seat of claim 27, wherein the profile of the at least one cam is configured to determine a movement profile of the seat as it moves between the lowered and raised positions such that a combination of lift, tilt and cycle time of operation of the seat can be varied for a particular application.

30. (Previously Presented) The raiser seat of claim 27, wherein the seat is securely retained to the at least one cam.

31. (Previously Presented) The raiser seat of claim 27, wherein the seat rests on the at least one cam.

32. (Previously Presented) The raiser seat according to claim 27, further comprising a seat unit, and wherein the seat is supported by the seat unit.

33. (Previously Presented) The raiser seat according to claim 32, wherein the at least one cam is retained within the seat unit.

34. (Previously Presented) The raiser seat according to claim 27, further comprising a motor for rotating the at least one cam, the motor driving the cam directly or indirectly.

35. (Previously Presented) The raiser seat of claims 27, wherein the movement mechanism comprises a pair of coaxial cams.

36. (Previously Presented) The raiser seat of claim 27, wherein the seat is secured on the at least one cam by an interface between a connection member of the cam and at least

one guide track formed on the seat, the at least one connection member is used to interface with the at least one guide track.

37. (Previously Presented) The raiser seat according to claim 27, wherein the movement mechanism comprises at least one actuator fixed at a first end of the seat.

38. (Previously Presented) The raiser seat according to claim 37, wherein the combination of the at least one cam with the at least one actuator provides for part or all of the seat to translate substantially in a single direction.

39. (Previously Presented) The raiser seat according to claim 32, wherein a second end of the seat is fixed to either the seat frame or the seat unit, and the second end of the seat is moveable relative to a first end in a generally vertical direction.

40. (Previously Presented) The raiser seat according to claim 27, wherein the seat frame is mounted on wheels or sliders allowing movement of the seat from one location to another and allowing use of the seat as a wheelchair and further comprising a brake system.

41. (Previously Presented) The raiser seat according to claim 27, wherein the seat frame is mounted on wheels allowing movement of the seat from one location to another and allowing use of the seat as a wheelchair and further comprising a brake system, wherein the brake system is associated with the movement mechanism, such that operation of the movement mechanism causes the brake system to act to prevent rotation of the wheels ensuring that when the movement mechanism is operated the brake system is automatically applied.

42. (Previously Presented) The raiser seat according to claim 27, further comprising at least one single or double action pneumatic or hydraulic cylinder connecting the at least one cam and the seat, whereby, in the event that a load is placed on the seat such that it becomes detached from the at least one cam, a resistive load is placed on the seat's movement away from an edge of the at least one cam, the resistive load will continue to be applied until the seat moves sufficiently far that the pneumatic cylinder is extended to the limit of its stroke.

43. (Cancelled)

44. (Cancelled)

45. (Currently Amended) The raiser seat of claim 44, 27, wherein the toothed rack is manufactured of flexible material.

46. (Previously Presented) The raiser seat of claim 27, wherein the movement mechanism is activated by a connection of a motor to a power source and an electrical control box, and wherein the control box, any sensory equipment and the power source are connected to the motor in the mechanism by any suitable means, either in close proximity to the movement mechanism, at a larger distance, or external to the seat unit wherein the raiser seat further comprising integrated sensors to influence the control box function and the instructions set given to the motor.

47. (Previously Presented) The raiser seat of claim 27, comprising connections for electrical circuitry for power, sensors, control or other functions, the connections being encapsulated within the seat frame.

48. (Previously Presented) The raiser seat of claim 27, comprising a backrest, wherein the backrest can tilt, either by its manufacture or through provision of a pivot point or via connection to a further pivoting joint component or assembly' from an appropriate flexible material and can be used to restrain the seat frame by association.

49. (Previously Presented) The raiser seat of claim 27, wherein the seat unit includes means defining an aperture to allow its use as a commode.

50. (Previously Presented) The raiser seat of claim 27, wherein the movement mechanism includes a plurality of cams, wherein each cam of the plurality has an individual motor for its power source such that each of the cams of the plurality can be precisely controlled and the seat can be tilted and rotated side to side.

51. (Previously Presented) The raiser seat of claim 27, wherein the seat forms part of a seat unit which allows the seat to be permanently or removably attached to the seat frame, depending on the particular application, and the seat and/or seat unit can include means defining an aperture allowing the seat to then be used as a commode.

52. (Previously Presented) The raiser seat according to claim 37, further comprising a seat unit, the seat being supported by the seat unit, and wherein a second end of the seat is fixed to either the seat frame or the seat unit, the second end of the seat being moveable relative to the first end in a generally vertical direction.

53. (Previously Presented) The raiser seat of claim 32, wherein the seat unit comprises at least one reinforcing element.

54. (Previously Presented) The raiser seat according to claim 27, wherein the at least one cam is connected to the seat by the use of at least one fixed connecting member or protrusion extending from the at least one cam.

55. (Previously Presented) ~~The raiser seat of claim 36, wherein~~ A raiser seat for assisting a person from a sitting to a standing position comprising:

a seat frame;

a seat adapted for movement relative to the seat frame between a lowered position and a raised position; and

a movement mechanism for moving the seat between the lowered and the raised positions;

wherein the movement mechanism comprises at least one cam pivotally mounted with respect to the seat frame about an axis, the at least one cam including a cam profile, the cam profile supporting and being movable with respect to the seat such that rotation of the at least one cam results in movement of the seat relative to the seat frame between the lowered position and the raised position, the seat being secured on the at least one cam by an interface between a connection member of the cam and at least one guide track formed on the seat, the at least one connection member interfacing with the at least one guide track, and the at least one connecting connection member is of a variable length or variable position with respect to the cam to facilitate the removal of the connecting connection member from the at least one guide track.

56. (Previously Presented) The raiser seat of claim 55, wherein the connecting member is an extension of roller shafts of the cam.

57. (Previously Presented) The raiser seat of claim 27, wherein the at least one cam has multiple rotation points.

58. (Previously Presented) The raiser seat of claim 27, wherein the cam is a dual rotating split axes cam and is spring loaded.

59. (Currently Amended) ~~The raiser seat of claim 27, wherein~~ A raiser seat for assisting a person from a sitting to a standing position:

a seat frame;  
a seat adapted for movement relative to the seat frame between a lowered position and a raised position; and  
a movement mechanism for moving the seat between the lowered and the raised positions;  
wherein the movement mechanism comprises at least one cam pivotally mounted with respect to the seat frame about an axis, the at least one cam including a cam profile, the cam profile supporting and being moveable with respect to the seat such that rotation of the at least one cam results in movement of the seat relative to the seat frame between the lowered position and the raised position, and the at least one cam comprises a multiple piece linkage of a plurality of rigid cam sections, the plurality of rigid cam sections being connected at at least one joint, the multiple piece linkage having limited rotational movement about the at least one joint.

60. (Previously Presented) The raiser seat of claim 36, wherein the connecting member is engageable to provide two extra axes of movement.

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61. (Previously Presented) The raiser seat of claim 27, wherein protrusions are provided on the cam to allow location of an integrated roller, roller type and/or plain bearings, defining an effective overall profile of the cam and any integrated rollers and/or bearings.

62. (Previously Presented) The raiser seat of claim 27, wherein the seat frame comprises handles located at any point on the seat frame to allow interaction with operators and users for accurate controlled movement and location with other components and assemblies.

63. - 66. (Cancelled)